

Please type a plus sign (+) inside this box → ☒

PTO/SB/50 (4/98)

Approved for use through 09/30/2000. OMB 0651-0033

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## REISSUE PATENT APPLICATION TRANSMITTAL

Address to:

**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231**

Attorney Docket No.	38625/43
First Named Inventor	Raymond Graj
Original Patent Number	5,802,960
Original Patent Issue Date (Month/Day/Year)	September 8, 1998
Express Mail Label No.	EL077034425US

**APPLICATION FOR REISSUE OF:**  
(check applicable box)



Utility Patent



Design Patent



Plant Patent

### APPLICATION ELEMENTS

- ☒ \* Fee Transmittal Form (PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
- ☒ Specification and Claims (amended, if appropriate)
- ☒ Drawing(s) (proposed amendments, if appropriate)
- ☒ Reissue Oath / Declaration (original or copy)  
(37 C.F.R. § 1.175)(PTO/SB/51 or 52) with  
Power of Attorney
- ☒ Original U.S. Patent Offer to Surrender Original Patent (37 C.F.R. § 1.178)  
(PTO/SB/53 or PTO/SB/54)  
or  
☐ Ribboned Original Patent Grant  
☐ Affidavit / Declaration of Loss (PTO/SB/55)
- Original U.S. Patent currently assigned?  
☒ Yes ☐ No  
(If Yes, check applicable box(es))  
☒ Written Consent of all Assignees (PTO/SB/53 or 54)  
☒ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney

### ACCOMPANYING APPLICATION PARTS

- ☐ Foreign Priority Claim (35 U.S.C. 119)  
(if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ English Translation of Reissue Oath/Declaration  
(if applicable)
- ☐ \* Small Entity Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/09-12) Status still proper and desired
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☒ Other: Request for Transfer of Drawings  
Certificate of Express Mailing

**\* NOTE FOR ITEMS 1 & 10: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

### 14. CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or



Correspondence address below

Name	AMSTER, ROTHSTEIN & EBENSTEIN				
Address	90 Park Avenue				
City	New York	State	NY	Zip Code	10016
Country	USA	Telephone	212/697-5995	Fax	212/286-0854

NAME (Print/Type)	Donna L. Angotti	Registration No. (Attorney/Agent)	32,679
Signature	<i>Donna L. Angotti</i>	Date	March 10, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

03-13-00

A/RE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Graj et al.  
Filed : March 10, 2000  
For : ERGONOMIC COOKWARE  
Examiner : Not Assigned

EXPRESS MAIL CERTIFICATE OF MAILING

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

"Express Mail" mailing label No EL077034425US

Date of Deposit: March 10, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D C 20231

Name Donna L. Angotti

Signature Donna L. Angotti

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Graj et al.  
Original Patent Number : 5,802,960  
Issued : September 8, 1998  
Title : ERGONOMIC COOKWARE

**REQUEST FOR TRANSFER OF DRAWINGS FROM  
ORIGINAL PATENT TO REISSUE APPLICATION**

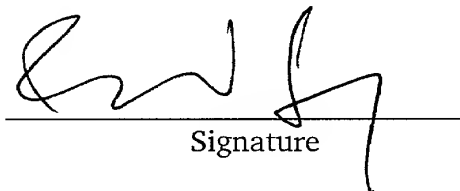
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please transfer the drawings from the above identified original patent to the reissue application, the specification of which is attached hereto. Attached is a Statement under 37 C.F.R. § 3.73(b) establishing the right of Graj & Gustavsen, as assignee, to take action in this reissue.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

3/9/00  
Date

  
Signature

Raymond Graj  
Typed or printed name

Chief Operating Officer  
Title

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Graj et al.  
Original Patent Number : 5,802,960  
Issued : September 8, 1998  
Title : ERGONOMIC COOKWARE

**OFFER TO SURRENDER**

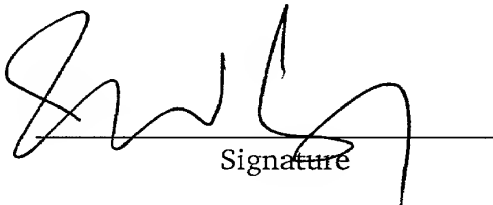
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned makes this statement as part of the accompanying reissue application for the reissue of the above identified letters patent. Graj & Gustavsen, as owner by assignment of the entire interest in said original patent, hereby offers to surrender said letters patent. Attached is a Statement under 37 C.F.R. § 3.73(b) establishing the right of Graj & Gustavsen, as assignee, to take action in this reissue.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

3/9/00  
Date

  
Signature

Raymond Graj  
Typed or printed name

Chief Operating Officer  
Title

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Graj et al.  
Original Patent Number : 5,802,960  
Issued : September 8, 1998  
Title : ERGONOMIC COOKWARE

**ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION**

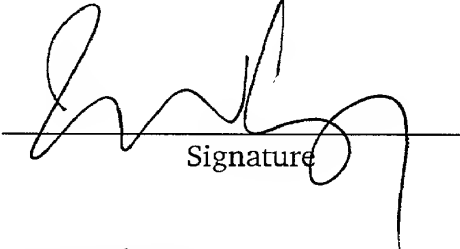
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is part of the application for reissue patent filed herewith based on the above identified original patent. Graj & Gustavsen, as assignee owning an undivided interest in the above identified original patent, assents to the accompanying application for reissue. Attached is a Statement under 37 C.F.R. § 3.73(b) establishing the right of Graj & Gustavsen, as assignee, to take action in this reissue.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

3/9/00  
Date

  
Signature

Raymond Graj  
Typed or printed name

Chief Operating Officer  
Title

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Graj & Gustavsen

Application No./Patent No.: 5,802,960

Filed/Issue Date: September 8, 1998

Entitled: ERGONOMIC COOKWARE

Graj & Gustavsen

, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8854, Frame 0412, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

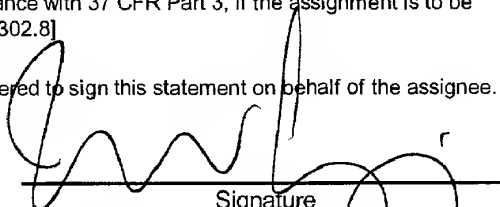
☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

3/9/00  
Date

  
Signature

Raymond Graj

Typed or printed name

Chief Operating Officer

Title

## ERGONOMIC COOKWARE

## BACKGROUND OF THE INVENTION

The present invention relates generally to cookware handles, and more particularly, an improved ergonomic cookware that: redistributes the weight of a cooking utensil from the wrist and forearm muscles to the muscles in the upper arms and shoulders, incorporates an upright grip permitting a natural hand wrist position, facilitates an increased range of pouring motion, and provides superior aesthetics.

For many people it is difficult to lift or manipulate cookware, particularly when the cookware is being used for its intended purpose, i.e., preparation of foods and/or liquids for consumption by means of heat. Furthermore, many people have difficulty tilting cookware to facilitate the draining of excess liquids and/or the removal of cooked foods. The difficulties that many individuals experience in cooking with relatively heavy cookware can result from a variety of physical conditions, including, among other things, arthritis in the wrists and infirm forearm muscles. As such, there is a long recognized need to facilitate the lifting of cookware. The improved ergonomic cookware claimed and described in the present invention addresses and fulfills this need.

Besides providing an ergonomic handle that shifts the weight of a cooking utensil from the wrist and forearm muscle to the muscles in the upper arm and shoulder, it is important that the handle be angled relative to the cookware so as to facilitate a wide range of pouring motion. It is also important that the handle be shaped and angled so as to permit a stabilized lifting and tilting of the cookware. Furthermore, it is important that the handle be heat resistant and that the exposure of the hand and forearm to a heat source be minimized. In addition, it is important that the structure of the handle be aesthetically pleasing and enhance, or at least not detract, from the appearance of the handle when affixed to or integrated with the cookware.

Besides the standard plastic molded heat-resistant handle, there are many more complex cookware handles known in the prior art. However, none of the structures in the prior art teach or suggest the present invention. For instance, U.S. Pat. No. 5,313,735 to Latouche discloses a rotatable handle extension for attaching to fishing rods and the like, including cooking pans. While the handle described in Latouche is contoured in an effort to shift the weight of an object attached to the handle from the wrist and forearm muscles to the muscles in the upper arm and shoulder, it does not achieve the advantages provided by the present invention. For example, because the handle structure disclosed in Latouche is neither angled substantially between 10 and 25 degrees nor shaped to inhibit sideways motion of the forearm relative to the hand when using the handle to rotate/tilt a heavy load as is the present invention, the handle disclosed in the Latouche patent cannot experience the wide range of pouring motion available in the present invention while providing stable support throughout the tilting/pouring motion. In fact, because Latouche is primarily directed to counterbalancing the strain to the wrist caused by one dimensional forces, e.g., catching fish, the structure fails to address the need to provide a stabilizing structure for the multidimensional forces asserted on the wrist and forearm muscles during the process of lifting and tilting the cookware.

Similarity, U.S. Pat. No. 4,822,087 to DeCarlo, which shows a device intended to improve the lifting characteris-

tics of tools such as shovels, and the like, does not contemplate the need to provide a stabilizing structure for the multidimensional forces on the wrist and forearm muscles during the process of lifting and tilting cookware.  
 5 Furthermore, unlike the present invention, the small forearm support disclosed in DeCarlo is not ergonomically contoured sufficiently to inhibit sideways motion of the forearm relative to the hand.

U.S. Pat. No. 4,014,129 to Capra shows a fishing rod  
 10 handle attachment that is intended to distribute forces to the forearm along the length of the handle. As with Latouchc, Capra is primarily directed to counterbalancing the strain to the wrist caused by one dimensional forces and does not address the multidimensional forces asserted on the wrist  
 15 and forearm muscles during the process of lifting and tilting the cookware. Furthermore, Capra fails to show an upright gripping handle for the gripping hand. This forces the users of the Capra device to hold their hand and wrist at an unnatural angle causing strain to the wrist due to over-  
 20 articulation of the wrist.

#### SUMMARY OF THE INVENTION

In view of the prior art, it is an object of the present invention to provide an improved ergonomic cookware  
 25 handle which utilizes a lever principal to transfer the weight of the cookware from the wrist and forearm muscles to the muscles of the upper arm and shoulder.

It is a further object of the present invention to provide an improved cookware handle which is shaped and angled so as  
 30 to permit a stabilized lifting and tilting of the cookware.

It is a further object of the present invention to provide an ergonomic handle design that is contoured to the natural shape of the arm, from the heel of the hand, along the inner wrist and up the forearm.

35 It is a further object of the present invention to provide an upright grip that permits a more natural and stable wrist hand position.

It is still a further object of the present invention to  
 40 provide an ergonomic handle design which has superior aesthetics which enhance and do not detract from the appearance of the handle.

In accordance with the above objects and additional objects that will become apparent hereinafter, the present  
 45 invention relates to a heat resistant ergonomic cookware that utilizes a lever principal to distribute the weight from the cookware to the underside of the forearm, is equipped with an upright handle with an upright grip, and is angled so as to facilitate an ideal range of pouring motion.

#### 50 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a perspective view of an improved ergonomic cookware in accordance with the preferred embodiment of the present invention.

55 FIG. 2 is a side view of an improved ergonomic cookware showing an angle A between the handle and a horizontal plane parallel with the base of the cookware in accordance with the preferred embodiment of the present invention.

FIG. 3 is a side view of an improved ergonomic cookware in a usage situation in accordance with the preferred  
 60 embodiment of the present invention.

FIG. 4 is a front view of an improved ergonomic cookware in accordance with the preferred embodiment of the present invention.

65 FIG. 5 is a top plan view of an improved ergonomic cookware in accordance with the preferred embodiment of the present invention.



FIG. 6a is a rear view of an improved ergonomic cookware in a tilted usage state in accordance with the preferred embodiment of the present invention.

FIG. 6b is a rear view of an improved ergonomic cookware in a tilted usage state in accordance with the preferred embodiment of the present invention.

FIG. 7 is a side view of an improved ergonomic cookware in accordance with an alternative embodiment of the present invention.

#### DETAILED DESCRIPTION

Referring now to the drawings, wherein like numbers refer to like parts in each view, an embodiment to be preferred of an improved ergonomic handle as attached to a cookware utensil is disclosed in FIGS. 1 through 6b.

Referring now to FIG. 1, the improved ergonomic handle 10 is attached to the cookware utensil 50. Although, the present invention contemplates use as a clamp-on improved ergonomic handle that could be attached to an existing handle, it is preferred that the improved ergonomic handle 10 be integrally attached to the cooking utensil 50. This is because a clamp-on handle (1) might not be safe when dealing with hot-foods and (2) could turn or shift when in use, particularly when in use, with heavy pots or pans. Preferably, the handle 10 is affixed to the cooking utensil 50 by the safest and most secure industry methods.

The shape and size of the cookware utensil 50 is not critical since the present invention is intended to be used with a variety of cookware shapes and sizes. However, the present invention is ideally used with heavy pots and pans. Furthermore, the improved ergonomic handle 10 is preferably a one-piece molded plastic handle and manufactured using existing methods of heat-resistant plastic molding.

As shown in FIG. 2, the improved ergonomic handle 10 consists of a base portion 70, an elongated body portion 20, and a hand grip 30. The elongated body portion 20 is integrally attached to the hand grip 30 such that the hand grip 30 extends substantially perpendicular to the upwardly directed concaved surface 12 of the body portion 20. As shown in FIG. 3, the hand grip 30 is located on said body portion so as to permit a more natural hand wrist position. In a preferred embodiment, the hand grip 30 is contoured so as to engage a substantial portion of a gripping hand 46, thus reducing the likelihood of the gripping hand 46 slipping up over the hand grip 30. Furthermore, the top of the hand grip 30 is preferably flared-out so as to also reduce the likelihood of the gripping hand 46 slipping up over the hand grip 30. The flared-out portion of the hand grip is shown as a knob 60.

Referring to FIGS. 4 and 6a, the upwardly directed concaved surface 12 of the butt end 14 of the handle 10 is shaped to engage a substantial length of the under and adjacent side portions of the forearm 40 so as to inhibit sideways motion of the hand 46 relative to the forearm 40. In particular, the butt end 14 of the handle 10 is preferably molded in a substantially hollow truncated ellipsoid form. Referring to FIG. 5, the upwardly directed concaved surface 12 is preferably provided with an aperture 16 extending through the butt end 14 of the handle 10 so as to facilitate storing the improved ergonomic handle 10 and cooking utensil 50. The upwardly directed concaved surface 12 of the butt end 14 preferably engages between 1 and 8 inches of the under and adjacent side portions of the forearm 40. In addition, the upwardly directed concaved surface 12 is preferably contoured to mainly accommodate the natural taper of the forearm 40 and the hand 46.

Referring now to FIG. 2, the improved ergonomic handle 10 as shown and described above is attached to the cookware utensil 50 at an angle A from a horizontal plane parallel to the base 52 of the cooking utensil 50 so as to facilitate stabilized lifting, tilting and carrying of the cooking utensil 50. The angle A is preferable substantially between 10 and 25 degrees. This range of angles permits an ideal pouring motion by creating a stable wrist arc from start to finish. As shown in FIG. 6b, the present invention permits the stabilized tilting of the cookware utensil 50 while redistributing the multidimensional forces normally asserted on the wrist and forearm to the upper arm and shoulder. In the preferred embodiment, angle A is 15 degrees.

In a preferred embodiment of the present invention, it is envisioned that the section of the elongated body portion 20 between the hand grip 30 and the butt end 14 of the handle 10 is molded so as to permit gripping by the hand, thus, facilitating the lifting of the handle 10 (and attached cookware, particular when empty) without necessitating the hand 46 to grip the hand grip 30.

In an alternative preferred embodiment as shown in FIG. 7, it is envisioned that the base portion 72 of the ergonomic handle 10 is positioned relative to the hand grip 30 so as to shield the back of the fingers of the hand 46 from heat disseminating from the cooking utensil 50. In this alternative preferred embodiment the base portion 70 is positioned adjacent to the hand grip 30 wherein enough space exists between the hand grip 30 and base portion 70 so as to permit the users hand to grip the hand grip 30.

In addition to utilizing the improved ergonomic handle with cookware, i.e., pots, pans, skillets, frying pans, and saucepans, it is envisioned that the improved ergonomic handle can be used with buckets, watering cans, casserole dishes, coffee pots, colanders, containers for household or kitchen use, containers for food, jugs, pails, serving plates and tea pots. It is also envisioned that the handle can be used with hand and garden tools such as shovels, spades, backhoes, rakes and other tools which result in multidimensional forces on the forearm and wrist.

While the invention has been described in detail herein in accordance with certain preferred embodiments thereof, many modifications and changes therein may be effected by those skilled in the art. Accordingly, it is intended by the appended to cover all such modifications and changes as fall within the true spirit and scope of the invention.

What is claimed is:

1. An ergonomic handle attached to a cooking utensil at an upward angle substantially between 10 and 25 degrees from a horizontal plane that is parallel to the base of said cooking utensil for stabilized lifting, carrying and tilting of said cooking utensil, said handle comprising:

an elongated body portion having an upwardly directed concaved surface for forearm support sized to engage a substantial portion of the forearm in an amount sufficient to inhibit sideways motions of said forearm relative to the gripping hand;

said body portion having integrally attached a handle gripping means extending substantially perpendicular to said upwardly directed concaved surface of said body portion wherein said handle gripping means is positioned on said body portion so as to receive said gripping hand of said forearm such that the wrist is in a unrotated state.

2. The ergonomic handle as defined in claim 1 wherein said handle is heat-resistant molded plastic.

3. The ergonomic handle as defined in claim 1 wherein said handle gripping means is sized to engage a substantial portion of said gripping hand.

4. The ergonomic handle as defined in claim 1 wherein said handle gripping means radiates outwardly at the top end.

5. The ergonomic handle as defined in claim 3 wherein said handle gripping means radiates outwardly at the top end.

6. The ergonomic handle as defined in claim 1 wherein said handle is permanently attached to said cooking utensil.

7. The ergonomic handle as defined in claim 1 wherein said upwardly of said elongated body portion engages between about 1 and 8 inches of the under and adjacent side portions of said forearm.

8. The ergonomic handle as defined in claim 1 wherein said upwardly directed concaved surface is tapered from an elongated broadened width near the butt end of said elongated body portion toward a substantially narrower width near the forward end of said elongated body portion so as to accommodate the natural taper of said forearm and heel of said gripping hand.

9. The ergonomic handle as defined in claim 8 wherein said upwardly directed concaved surface of said elongated body portion engages between about 1 and 8 inches of the under and adjacent side portions of said forearm.

10. The ergonomic handle as defined in claim 1 wherein said butt end of said body portion is molded in a substantially hollow truncated ellipsoid form.

11. The ergonomic handle as defined in claim 8 wherein said butt end of said body portion is molded in a substantially hollow truncated ellipsoid form.

12. The ergonomic handle as defined in claim 1 further comprising a base portion that attaches said handle to said cooking utensil wherein said base portion is position adjacent to said handle gripping means such that sufficient space exists between said handle gripping means and base portion so as to permit said gripping hand to grip said handle gripping means.

13. The ergonomic handle as defined in claim 1 wherein the butt end of said elongated body portion has an aperture for facilitating storing said ergonomic handle.

14. The ergonomic handle as defined in claim 1 wherein the section of said elongated body portion between said hand grip and the butt end of said elongated body portion is shaped so as to permit said section of said elongated body portion to be gripped and lifted by hand.

15. An ergonomic cooking utensil comprising:

a cooking utensil for the preparation and cooking of foods and liquids; and an ergonomic handle attached to said cooking utensil at an upward angle substantially between 10 and 25 degrees from a horizontal plane that is parallel to the base of said cooking utensil for stabilized lifting, carrying and tilting of said cooking utensil,

said ergonomic handle having an elongated body portion with an upwardly directed concaved surface for forearm support sized to engage a substantial portion of the forearm in an amount sufficient to inhibit sideways motion of said forearm relative to the gripping hand; said body portion having integrally attached a handle gripping means extending substantially perpendicular

to said upwardly directed concaved surface of said body portion wherein said handle gripping means is positioned on said body portion so as to receive said gripping hand of said forearm such that the wrist is in an unrotated state.

16. The ergonomic cooking utensil as defined in claim 15 wherein said ergonomic handle is heat-resistant molded plastic.

17. The ergonomic cooking utensil as defined in claim 15 wherein said handle gripping means is sized to engage a substantial portion of said gripping hand.

18. The ergonomic cooking utensil as defined in claim 15 wherein said handle gripping means radiates outwardly at the top end.

19. The ergonomic cooking utensil as defined in claim 17 wherein said handle gripping means radiates outwardly at the top end.

20. The ergonomic cooking utensil defined in claim 15 wherein said ergonomic handle is permanently attached to said cooking utensil.

21. The ergonomic cooking utensil as defined in claim 15 wherein said upwardly directed concaved surface of said elongated body portion engages between 1 and 8 inches of the under and adjacent side portions of said forearm.

22. The ergonomic cooking utensil as defined in claim 15 wherein said upwardly directed concaved surface is tapered from an elongated broadened width near the butt end of said elongated body portion toward a substantially narrower width near the forward end of said elongated body portion so as to mainly accommodate the natural taper of said forearm and heel of said gripping hand.

23. The ergonomic cooking utensil as defined in claim 22 wherein said upwardly directed concaved surface of said elongated body portion engages between 1 and 8 inches of the under and adjacent side portions of said.

24. The ergonomic cooking utensil as defined in claim 22 wherein said butt end of said body portion is molded in a substantially hollow truncated ellipsoid form.

25. The ergonomic cooking utensil as defined in claim 15 wherein said butt end of said body portion is molded in a substantially hollow truncated ellipsoid form.

26. The ergonomic cooking utensil as defined in claim 15 further comprising a base portion that attaches said handle to said cooking utensil wherein said base portion is position adjacent to said handle gripping means such that sufficient space exists between said handle gripping means and base portion so as to permit said gripping hand to grip said handle gripping means.

27. The ergonomic cooking utensil as defined in claim 15 wherein the butt end of said elongated body portion has an aperture for facilitating storing said ergonomic handle.

28. The ergonomic cooking utensil as defined in claim 15 wherein the section of said elongated body portion between said hand grip and the butt end of said elongated body portion is shaped so as to permit said section of said elongated body portion to be gripped and lifted by hand.

\* \* \* \* \*

✓ Claim 29. An ergonomic handle for stabilized lifting, carrying and tilting of a hand supported implement comprising:

an elongated body portion having a first end and a second end and defining a first axis, said first end including a forearm support member having upwardly directed lateral support members for engaging a user's forearm for inhibiting motion of said forearm;

said body portion having a hand grip adjacent said second end, said hand grip defining a second axis, said second axis defining with said first axis an angle no greater than substantially 90 degrees; and

said hand grip being positioned on said body portion so as to receive said user's gripping hand such that said user's wrist is in a substantially unrotated state.

Claim 30. The ergonomic handle as defined in claim 29 wherein said handle is heat-resistant molded plastic.

Claim 31. The ergonomic handle as defined in claim 29 wherein said hand grip is sized to engage a substantial portion of said gripping hand.

Claim 32. The ergonomic handle as defined in claim 29 wherein said hand grip radiates outwardly at the top end.

Claim 33. The ergonomic handle as defined in claim 29 wherein said hand supported implement comprises a cooking utensil.

Claim 34. The ergonomic handle as defined in claim 29 wherein said forearm support member engages a substantial portion of said forearm.

Claim 35. The ergonomic handle as defined in claim 29 wherein said forearm support member defines an upwardly directed concaved surface so as to accommodate the natural taper of said forearm.

Claim 36. The ergonomic handle as defined in claim 29 wherein said lateral members engage a substantial portion of said forearm.

Claim 37. The ergonomic handle as defined in claim 29 further comprising a base portion that attaches said handle to said hand supported implement wherein said base portion is positioned adjacent to said second end of said hand grip such that sufficient space exists between said handle gripping means and base portion so as to permit said gripping hand to grip said hand grip.

Claim 38. The ergonomic handle as defined in claim 29 wherein said elongated body portion has an aperture adjacent said first end for facilitating storing said ergonomic handle.

Claim 39. The ergonomic handle as defined in claim 29 wherein the section of said elongated body portion between said hand grip and said forearm support member is shaped so as to permit said section of said elongated body portion to be gripped and lifted by hand.

✓ Claim 40. An ergonomic hand supported implement comprising:

a forearm support member mounted to said ergonomic hand supported implement, said forearm support member having a base portion and adjoining lateral members extending upwardly from said base member to engage a portion of a user's forearm to minimize motion of said forearm; and

a handle mounted to said hand supported implement and spaced from said forearm support member, said upright handle tilted in a direction of said hand supported implement at an angle less than substantially 90 degrees with respect to a horizontal plane that intersects said hand supported implement, wherein said upright handle is positioned on said hand supported implement so as to receive said user's gripping hand such that said user's wrist is in a substantially unrotated state.

Claim 41. The ergonomic hand supported implement of claim 40 wherein said handle is sized to engage a substantial portion of said gripping hand.

Claim 42. The ergonomic hand supported implement of claim 40 wherein said forearm support member comprises an upwardly directed concave surface formed between said lateral members.

Claim 43. The ergonomic hand supported implement of claim 40 wherein said forearm support member engages a substantial portion of said forearm.

, Claim 44. An ergonomic hand supported implement comprising:

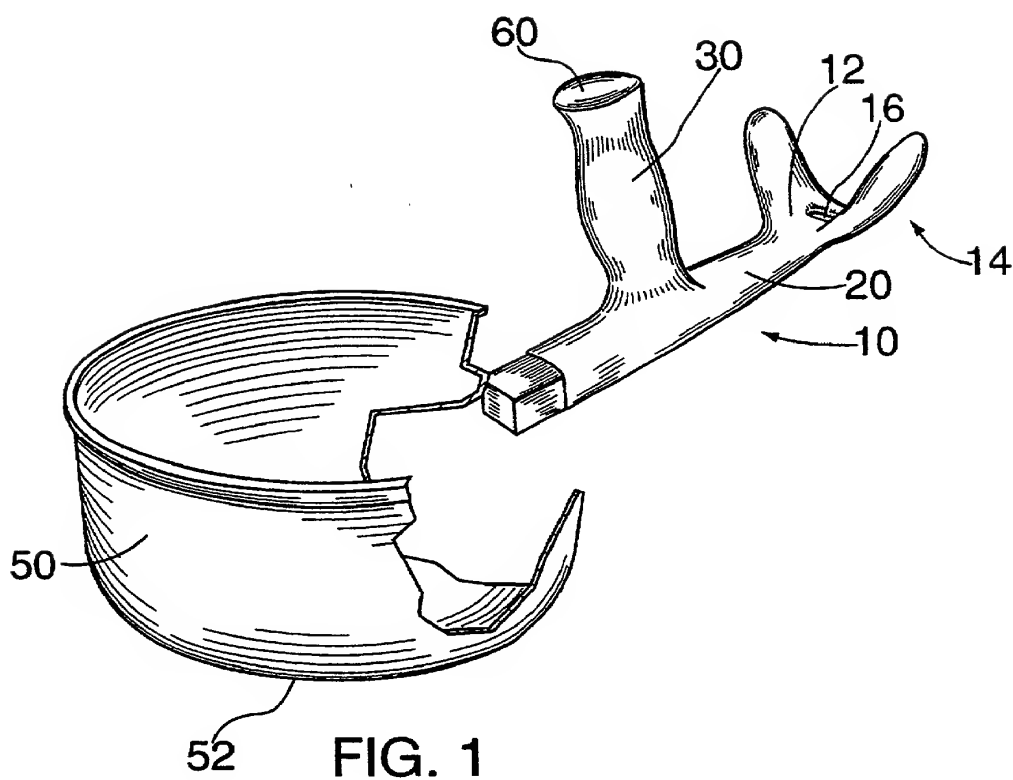
a forearm support member mounted to said ergonomic hand supported implement, said forearm support member having a base portion and adjoining lateral members extending upwardly from said base member to engage a portion of a user's forearm to minimize motion of said forearm; and

a handle mounted to said hand supported implement and spaced from said forearm support member, said upright handle tilted in a direction of said hand supported implement at an angle less than substantially 90 degrees with respect to an axis defined by said user's forearm while said user's gripping hand grasps said handle.

The present invention relates to heat resistant ergonomic cookware that incorporates a handle which utilizes a lever principal to distribute the weight from the cookware to the underside of the forearm, is equipped with an upright handle grip, and is angled so as to facilitate an increase range of pouring motion.

[illegible]





000760" E9/222560

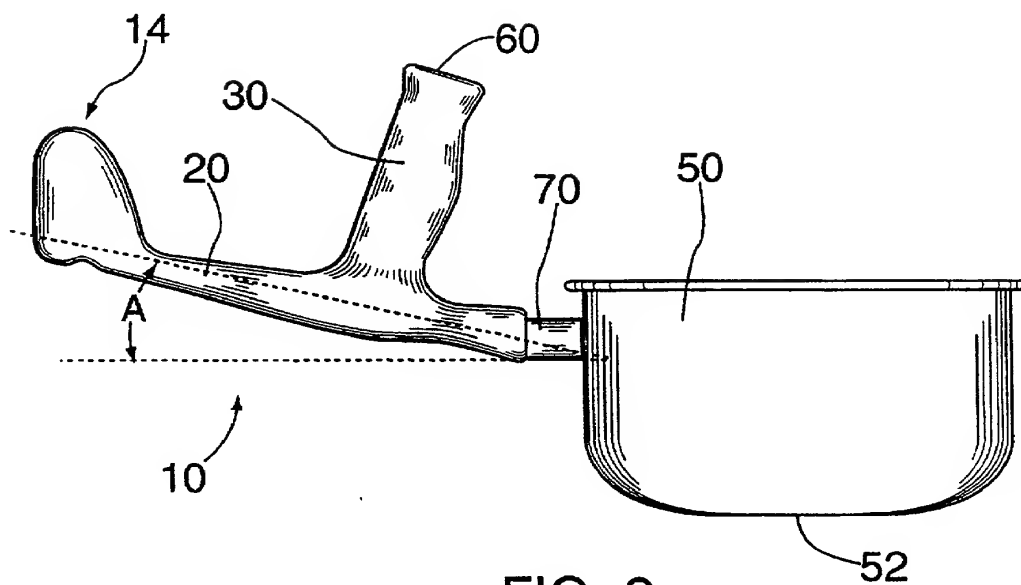


FIG. 2

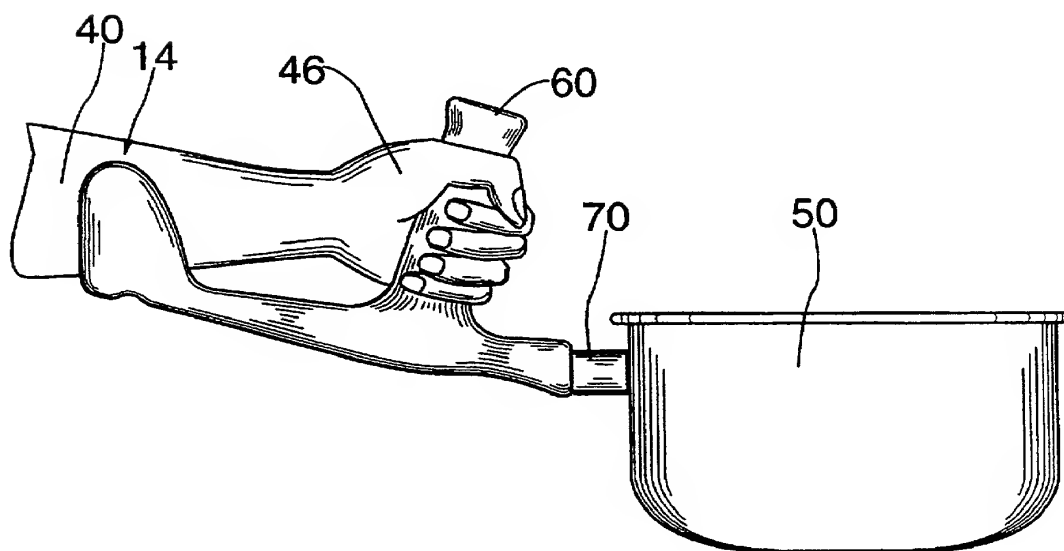


FIG. 3

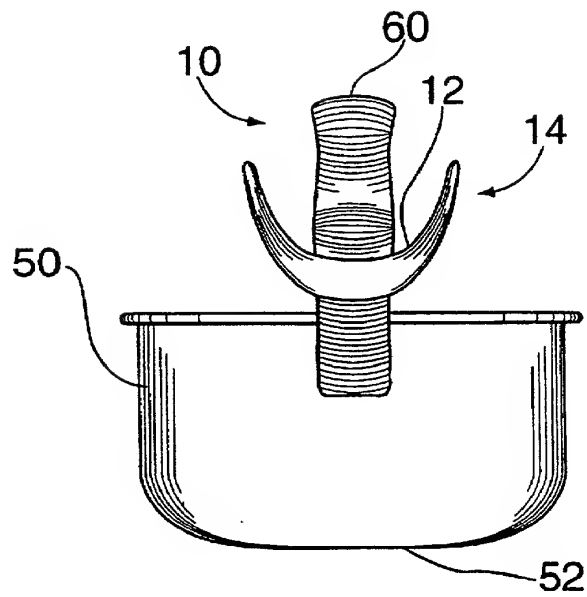


FIG. 4

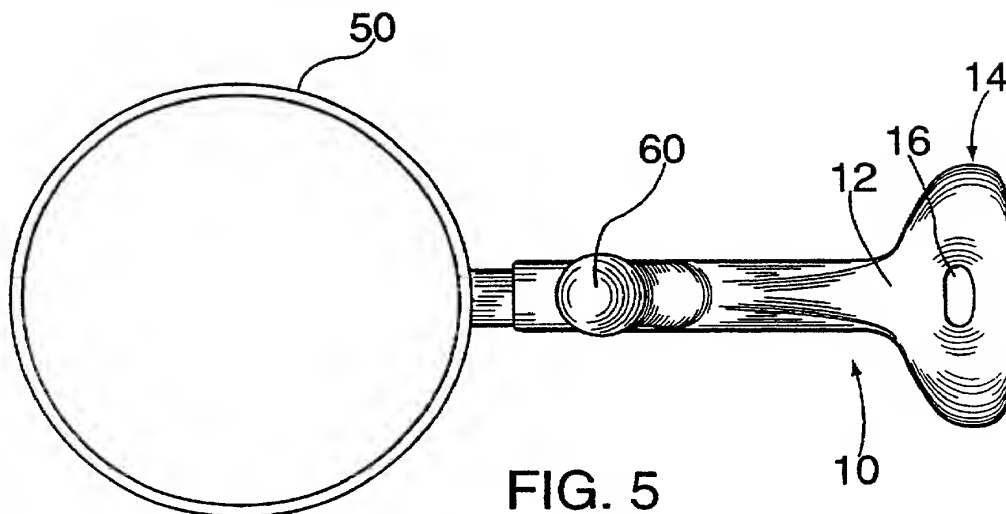
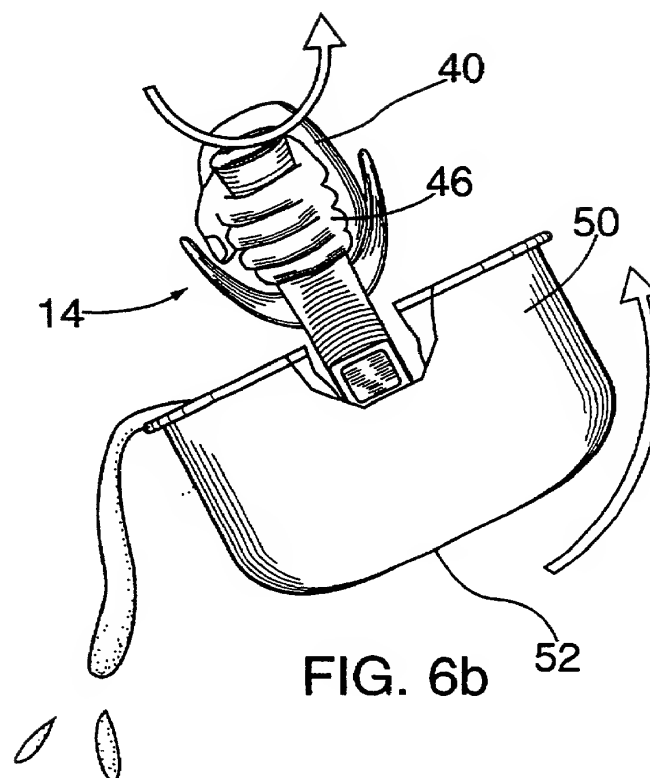
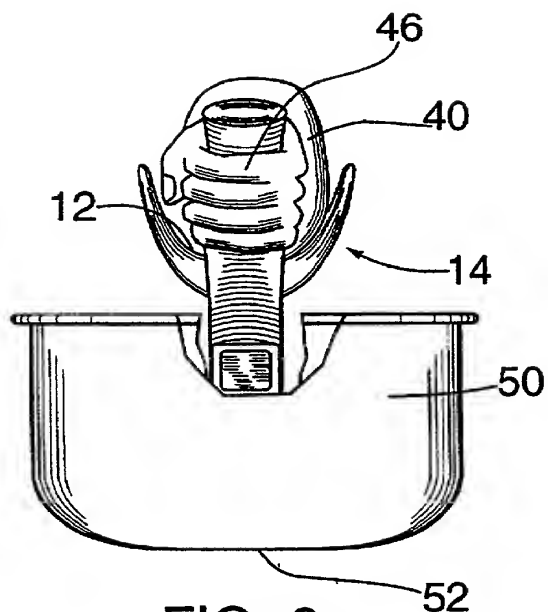


FIG. 5

0007E0" E9/22560



000760" E9/222550

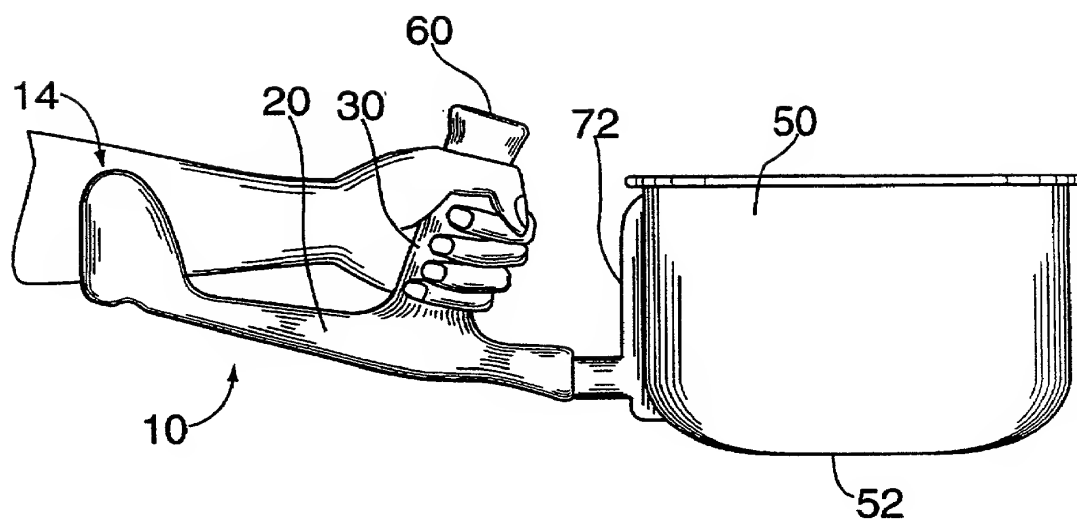


FIG. 7

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Graj et al.  
Original Patent Number : 5,802,960  
Issued : September 8, 1998  
Title : ERGONOMIC COOKWARE

**REISSUE APPLICATION DECLARATION BY THE INVENTORS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

As a below named inventor, I hereby declare that:

1. My residence, post office address and citizenship are stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is described and claimed in patent number 5,802,960, granted September 8, 1998, and for which a reissue patent is sought on the invention entitled ERGONOMIC COOKWARE the specification of which is attached hereto.

2. I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

3. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

4. I verily believe the original patent to be wholly or partly inoperative by reason of the patentee claiming less than patentee had the right to claim in the patent.

5. At least one error upon which reissue is based is described as follows:

Claim 15 of U.S. Patent No. 5,802,960 ("the '960 Patent") unduly limits the patentee's invention to an "ergonomic cooking utensil." The specification of the '960 Patent clearly indicates that a plurality of ergonomic hand supported implements were contemplated at the time of filing the application which issued as the '960 Patent. For example, the specification recites "it is envisioned that the improved ergonomic handle can be used with buckets, watering cans, casserole dishes . . . . It is also envisioned that the handle can be used with hand and garden tools such as shovels, spades, backhoes, rakes and other tools which result in multidimensional forces on the forearm and wrist." (The '960 Patent, Col. 4, lines 31-38). Thus it was an error to limit the claims of the '960 Patent to an ergonomic cooking utensil when clearly a variety of ergonomic hand supported implements were contemplated by the patentee.

6. All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

7. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

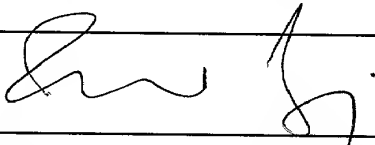
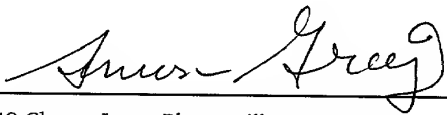
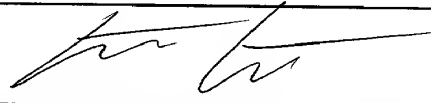
Joel E. Lutzker Reg. No. 29,406  
Donna L. Angotti Reg. No. 32,679  
John S. Economou Reg. No. 38,439  
Michael P. Kenny Reg. No. 42,718

8. Direct all communications about the application to:

Joel E. Lutzker  
Amster Rothstein & Ebenstein  
90 Park Avenue  
New York, New York 10016  
Tel. (212) 697-5995  
Fax (212) 286-0854

9. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful

false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole first inventor (given name, family name)			
Raymond Graj			
Inventor's signature			
Residence	174 West 76 <sup>th</sup> Street - 4B, New York, NY 10023	Date	3/9/00
Post Office Address		Citizenship	United States
Full name of sole first inventor (given name, family name)			
Simon Graj			
Inventor's signature			
Residence	49 Choate Lane, Pleasantville, NY 10570	Date	3/9/00
Post Office Address		Citizenship	Poland
Full name of sole first inventor (given name, family name)			
Eric Gustavsen			
Inventor's signature			
Residence	425 West 23 <sup>rd</sup> Street, New York, NY 10011	Date	3/9/00
Post Office Address		Citizenship	United States

000720" 03434500